

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL TITLE V PERMIT No. V-03-015 Revision 1

ARKEMA INC.

CALVERT CITY, KENTUCKY 42029

January 23, 2007

CAROLINA ALONSO, REVIEWER

SOURCE I.D. #: 21-157-00007

SOURCE A.I. #: 2918

ACTIVITY I.D. #: APE20060001, APE20060004

SOURCE DESCRIPTION:

An application for increasing the polymer production capacity (dry basis) from 18.5 million lb/year to 24 million lb/year was received on January 3, 2006; this project includes the following changes:

1. New polymer reactor V-303E
2. New monomer feed system to reactor E
3. New initiator feed pump
4. New reactor knockout pot C
5. New coarse latex strainer and transfer pump
6. Larger coagulator feed pumps
7. New or modified coagulator
8. New or modified wash column
9. New large alternate thickener (SEPR-5260B)
10. New mixer
11. New water tank
12. New feed pumps for east spray dryer
13. Associated piping changes

An application received on May 30, 2006 for a minor revision was also included in this review.

U.S. EPA REVIEW:

The U.S. EPA was notified of the issuance of the proposed permit on November 8, 2006 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.